

HELP : 1-888-751-4086 (Tech Support)

GSPN

<http://gspn3.samsungcspportal.com>

PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

HOT TIPS

Power On Problems: (see page 2)

Video Problems: (see page 3.4)

Other:

HDMI Bleed-over

FIRMWARE

2/21/2011

(T-VALAUSC, 1035.0)

Reason: Support Netflix 2.1 and MLB.tv apps. Support new TV camera (Model: CY-STC1100). Add "3D Optimize" option on Menu for better 3D image.(Only LCD/LED TV)

Previous: 1032.0

Prevents :

- USB Power Overload' message pops up even USB port is not connected
- Plug & Play is displayed upon power up.

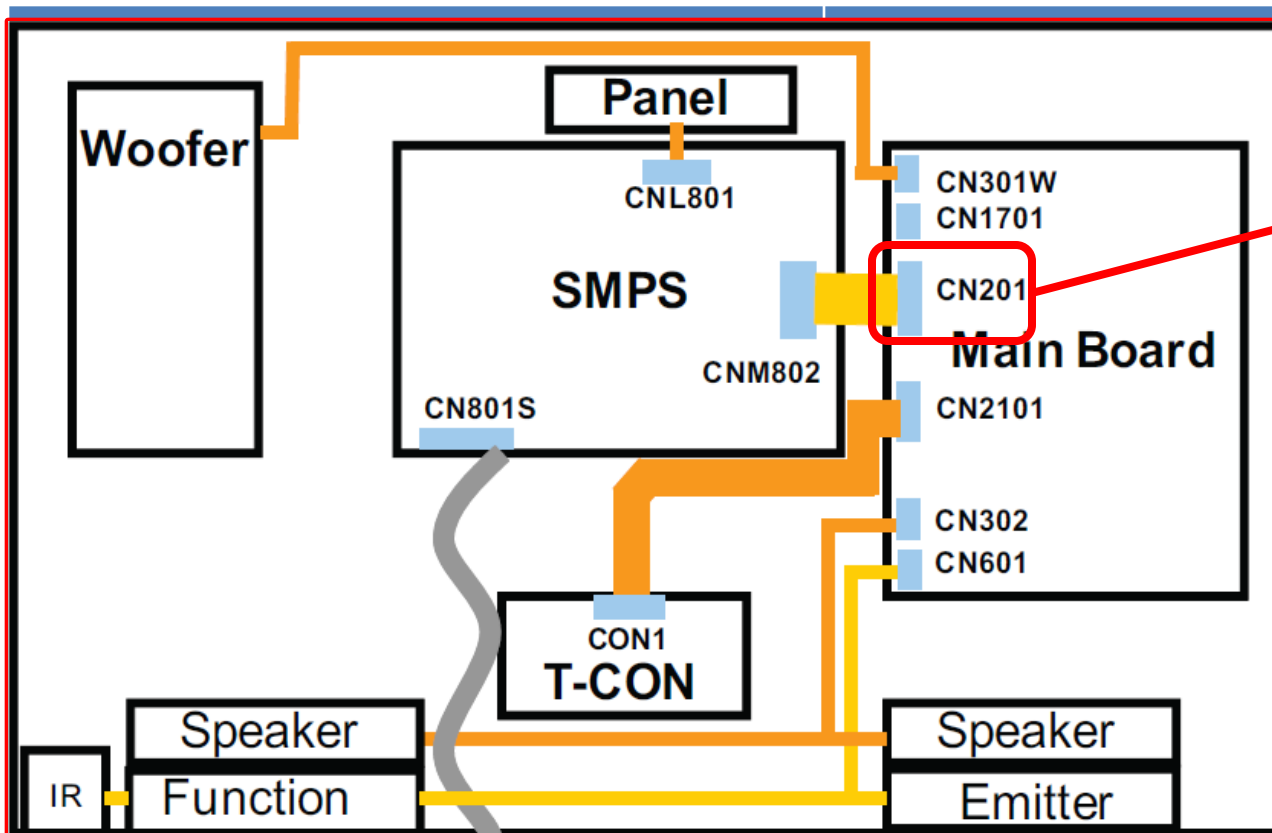
SERVICE BULLETINS

ASC20110621002

2010 LED Option Byte Table. It is important to verify the correct option byte is set.

Verify Part Numbers are Current

Version	Parts No	Short Description
ALL	BN44-00376A	Power PCB
ALL	BN81-04358A	T-CON PCB
ALL	BN94-02757C	Main PCB
ALL	BN96-13847C	Function & IR PCB
ALL	BN07-00864A	Panel
ALL	BN96-13120A	Front Cover
ALL	BN96-13127A	Rear Cover
ALL	BN96-13131A	Stand Guide
ALL	BN96-13133A	Stand Base
ALL	BN59-01055A	Remote
ALL	BN96-12723R	LVDS Cable
ALL	BN96-12845D	Power Cord
ALL	BN96-12943C	Speaker Rear
ALL	BN96-13407A	Speaker Front



CN 201			
1	P_ON/OFF	16	5.3V
2	HSYNC	17	GND
3	STBY	18	GND
4	G_STBY	19	GND
5	GND	20	GND
6	GND	21	12V
7	12.8V	22	12V
8	12.8V	23	BL ON/OFF
9	GND	24	PWM
10	GND	25	PWM
11	GND	26	GND
12	GND	27	5V DET
13	5.3	28	INV ERROR
14	5.3	29	N.C.
15	5.3	30	N.C.

Power On Sequence:

1. **Standby Voltages:** CN201-3 (5V)
2. **Power On** probable error on CN201-1 (P_ON/OFF)
3. **Low Voltage Supplies On** CN201- 7, 8, 13, 14, 15, 16, 21, 22,
4. **Back Light Supply On** CN201 -23
5. **Back Light Confirmation** CN201-27

To Force Backlight On without Main Board :

1. Remove Power Cord
2. Disconnect CN201
3. Plug In Power Cord
4. Backlight should be on immediately.

TROUBLESHOOTING VIDEO PROBLEMS

1. Verify Video Operation

- Customer Picture Test** (models available)
- "Display"** (If display is OK source is suspected)
- Substitute with known good Source
(external DVD or Signal Generator)

2. Using Test Patterns in Service Mode

- **ENTER SERVICE MODE** -

- Select an active source signal. (HDMI preferred)
Test Pattern may rely on signal source to appear.

Customer Remote

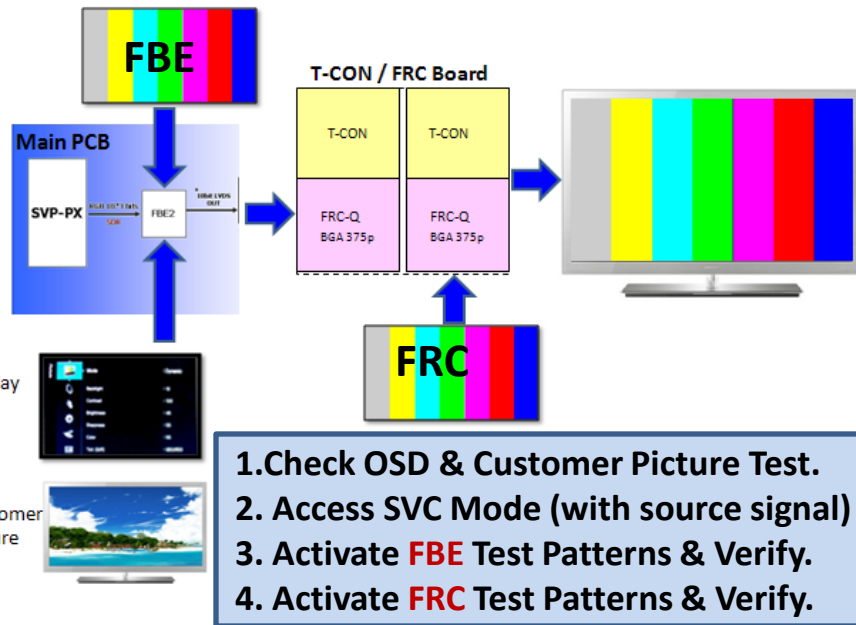
- Power off
- Mute, 182, Power

Service Remote

- Power On
- Info, Factory

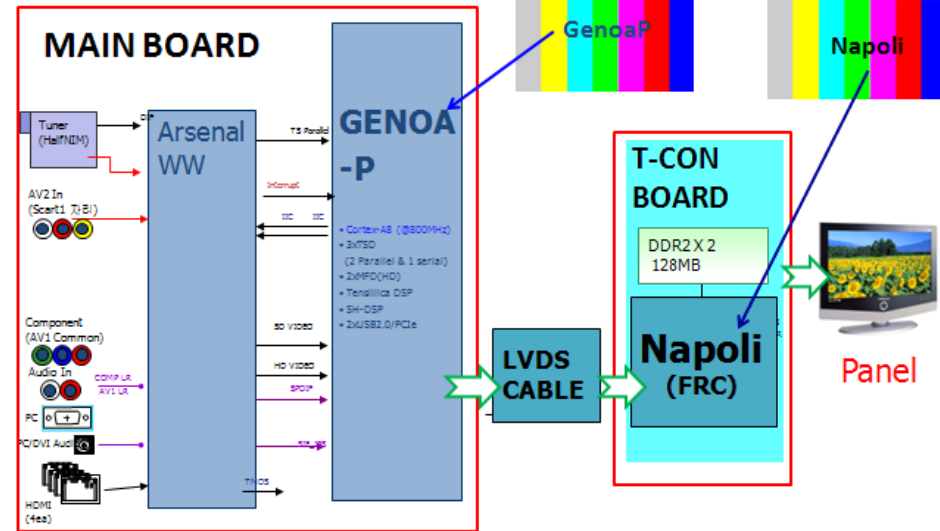
2010 Models

LCD Signal Path for Troubleshooting



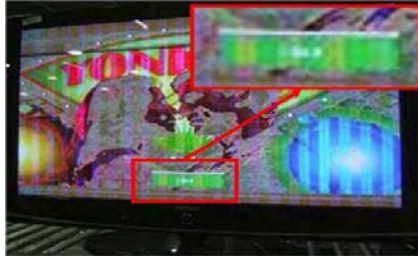
2011 LED 8000 Series

Verify Test Mode Signals



- Select an active source signal. (HDMI preferred)
Test Pattern may rely on signal source to appear.
- Access Service Mode
- Access **SVC**
- Access **Test Patterns**
- Access **Genoa-P**
- Check Test Patterns
- If OK suspect input Source
- Access **Napoli**
- Check Test Patterns
- If OK and Genoa-P was not good
Suspect Main Board or LVDS Cable

ON SCREEN FAILURE EXAMPLES:



If Picture & Display errors
Defective Main Board, LVDS,
or T-CON



Green lines or a green screen
defective main board , LVDS , or
T-CON.

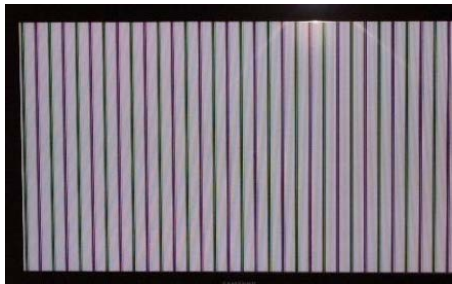


Original Image



Image on Screen

Pixelization can be caused by the main board
but is more commonly a source error



Vertical or Horizontal Lines :Defective
Panel likely but also T-CON, LVDS, or Main
Board. Use Test Patterns in Factory Service
Mode to determine error)

ALIGNMENTS:

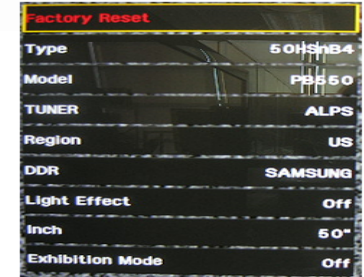
1. Check/Set Option Bytes:

Using the Customer Remote

1. Turn the power off and set to stand-by mode
2. Press the remote buttons in this order; POWER OFF-MUTE-1-8-2-POWER ON to turn the set on.
3. The set turns on and enters service mode. This may take approximately 20 seconds.
4. Press the Power button to exit and store data in memory.
- If you fail to enter service mode, repeat steps 1 and 2 above.
5. Initial SERVICE MODE DISPLAY State

Project	PB5G	PB5G	PB5G
Model	B550	B550	B550
Model Code	PN6B550T2FXZA	PN6B550T2FXZA	PN6B550T2FXZA
No.	ITEMS		
1	Factory Reset	-	-
2	Type	50FSpl4	58FNK1
3	Model	PB550	PB550
4	TUNER	ALPS	ALPS
5	Region	US	US
6	DDR	SAMSUNG	SAMSUNG
7	Light Effect	Off	Off
8	Inch	50"	55"
9	Exhibition Mode	Off	Off

Option Bytes



2. Check/Perform Firmware Upgrade for
all repairs.

3. Perform reset in Service Mode &
Plug and Play if Main board is replaced.

SPECIAL NOTES:

Inform customer of reset of all
Settings if Main Board or Panel is replaced.

Option											
Type	Model	Tuner	Region	DDR	Light Effect	Audio AMP	Ch Table	Country	Front Color	Local Set	Exhibition Mode
55A2UF7E	UC7000	SEMCO	-	-	OFF	-	SAMEX	USA	T-M-Brn	-	-